

# Converting Colors

XYZ(80.5811, 93.0498, 85.2343)

Have a look what the booklet for  
XYZ(80.5811, 93.0498, 85.2343)  
contains.

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# Color

**XYZ(80.4019, 92.9638,  
84.9403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFE1
RGB	225, 255, 225
RGB Percent	88%, 100%, 88%
CMY	0.1176, 0.0000, 0.1176
CMYK	0.12, 0.00, 0.12, 0.00
HSL	120°, 100%, 94%
HSV	120°, 12%, 100%
XYZ	80.4019, 92.9638, 84.9403
YIQ	242.6100, -8.2500, -15.6900

# Conversions

## Conversions Part 2

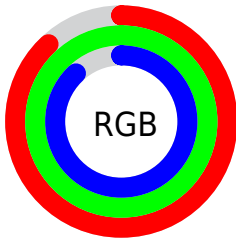
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 255, 255
Decimal	14811105
CIE <sub>Lab</sub>	97.21, -15.11, 11.08
CIE <sub>LCh</sub>	97, 18.741, 143.744
Yxy	92.9638, 0.3113, 0.3599
Android (android.graphics.Color)	4293001185 (0xFFE1FFE1)
YUV	242.6100, -8.6817, -15.4440
Hunter-Lab	96.4177, -19.8815, 15.2602

# Details

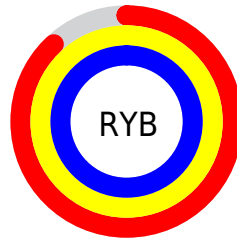
The XYZ color **80.4019, 92.9638, 84.9403** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **86.2155, 82.3311, 105.9547**, and the grayscale version is **84.9524, 89.3766, 97.3311**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0273, 51.8365, 45.7152** is the 20% darker color. If you saturate the color by 10%, you get **69.8137, 87.8777, 67.6217**, and if you desaturate by 10%, it is **92.6983, 98.8704, 105.0534**.

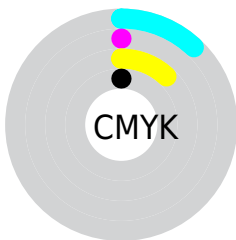
# Distribution



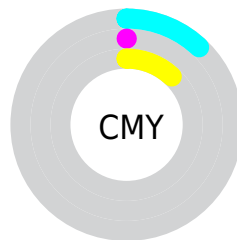
- Red (88%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4019, 92.9638, 84.9403 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.4019, 92.9638, 84.9403 by changing the saturation by 10% instead.



 80.4019, 92.9638,  
84.9403

 80.4019, 92.9638,  
84.9403

485.0022,  
537.6256, 531.5699

 60.3587, 70.4414,  
63.2422


132.8782,  
151.4485, 142.1632

 43.9584, 51.8865,  
45.5949


166.0420,  
188.1796, 178.5250

 30.8356, 36.9146,  
31.5799


204.3101,  
230.4157, 220.6119

 20.6249, 25.1414,  
20.7787

248.0479,  
278.5413, 268.8423

 12.9610, 16.1824,  
12.7727

297.6206,  
332.9406, 323.6347

 7.4785, 9.6533,  
7.1433

353.3936,

 3.8121, 5.1697,

393.9982, 385.4078

3.4721

415.7324,  
462.0984, 454.5800

■ 1.5964, 2.3472,  
1.3404

■ 0.3901, 0.7985,  
0.0946

■ 80.4019, 92.9638,  
84.9403

■ 80.4019, 92.9638,  
84.9403

■ 69.8137, 87.8777,  
67.6217

■ 92.6983, 98.8704,  
105.0534

■ 60.8561, 83.5749,  
52.9700

95.0500, 100.0000,  
108.9000

■ 53.4489, 80.0168,  
40.8541

■ 47.5040, 77.1612,  
31.1301

■ 42.9246, 74.9615,  
23.6396

■ 39.6024, 73.3657,  
18.2055

■ 37.4126, 72.3138,  
14.6234

■ 36.2047, 71.7336,  
12.6476

■ 35.7600, 71.5200,  
11.9201

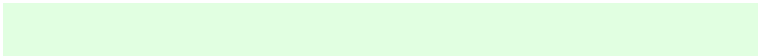
# Harmonies

## Analogous

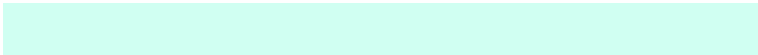
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3234, 92.9638, 76.8115



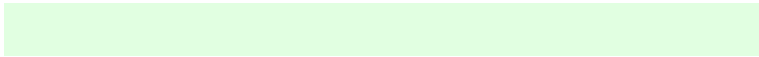
80.4019, 92.9638, 84.9403



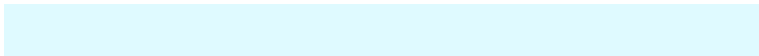
78.6213, 92.9638, 98.0779

# Triad

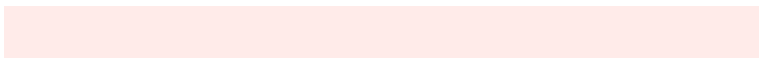
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4019, 92.9638, 84.9403



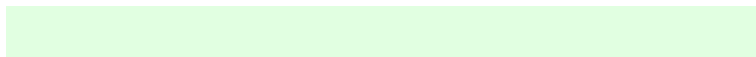
87.2546, 92.9638, 133.0569



98.0090, 92.9638, 89.9305

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.4019, 92.9638, 84.9403



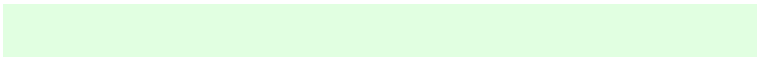
86.2155, 82.3311, 105.9547

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.8699, 92.9638, 104.4321



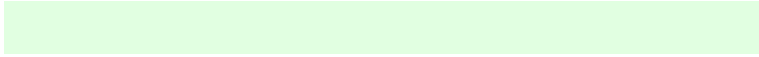
80.4019, 92.9638, 84.9403



92.5220, 92.9638, 130.3227

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



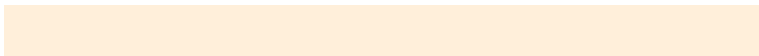
80.4019, 92.9638, 84.9403



82.4746, 92.9638, 126.5989



96.8251, 92.9638, 119.4612

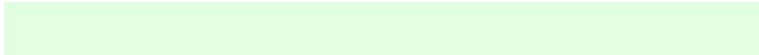


94.5175, 92.9638, 79.4850

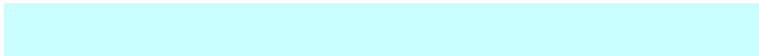


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4019, 92.9638, 84.9403



78.8351, 92.9638, 108.3077



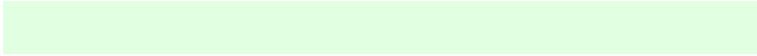
96.8251, 92.9638, 119.4612



98.6213, 92.9638, 94.4518

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.4026, 92.9641, 84.9417



89.7974, 97.4769, 100.3085



90.5908, 98.2163, 85.4181



19.0157, 20.7658, 21.1354



0.0000, 0.0000, 0.0000

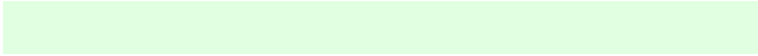


20.3446, 21.4041, 23.3091

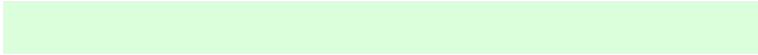


# Same Dimension

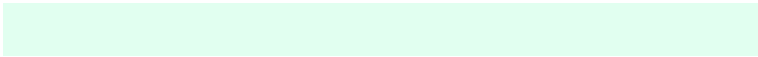
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4026, 92.9641, 84.9417



77.8896, 91.7570, 80.8312



82.5400, 93.8191, 96.1972



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



86.2155, 82.3311, 105.9547



84.6997, 79.2997, 105.4493



83.8938, 81.4024, 93.7291



18.7927, 18.3004, 22.7917



30.9799, 14.8812, 50.6719



3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 80.4019, 92.9638, 84.9403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

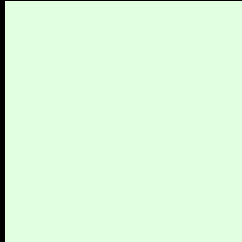
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.4019, 92.9638, 84.9403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

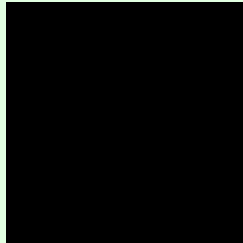
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

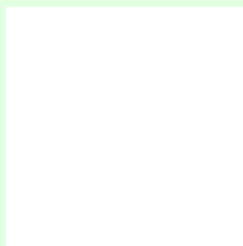
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.4019, 92.9638, 84.9403

## Background



This preview shows how black text looks on a background with the XYZ color 80.4019, 92.9638, 84.9403.



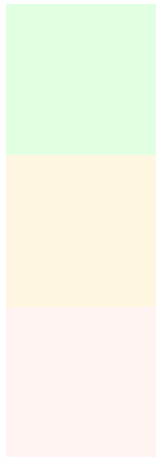
This preview shows how white text looks on a background with the XYZ color 80.4019, 92.9638,

84.9403.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

80.4019, 92.9638, 84.9403

### Protanopia

87.9232, 92.6625, 85.2031

### Deuteranopia

89.6177, 92.3722, 97.1107

## Tritanopia

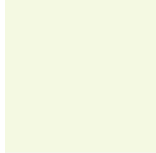
87.5864, 92.4423, 107.8346

# Trichromacy



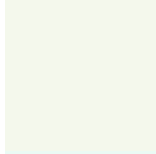
## Original Color

80.4019, 92.9638, 84.9403



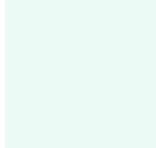
## Protanomaly

84.9114, 92.4754, 85.3257



## Deuteranomaly

86.0160, 92.4240, 92.6630



## Tritanomaly

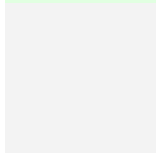
84.7757, 92.5650, 98.9866

# Monochromacy



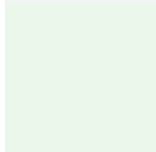
## Original Color

80.4019, 92.9638, 84.9403



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

82.9932, 90.4105, 92.4336

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.4019, 92.9638, 84.9403 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(225, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(225, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 80.4019, 92.9638, 84.9403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 255, 225) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(225, 255, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(225, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.4019, 92.9638, 84.9403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(225,  
255, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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